HARRIS & HARRIS. CROCERS. MISCELLANEOUS. tional structure and development-or Centennial Block. The Wichita Eagle. in other words native tendency and growth. The lesson is, that while we JOHN DAVIDSON, growth. The lesson is, that while we TABLE OF DISTANCES GROCERIES. Jewelry, Drugs, Hardware, Boots & Shoes WICHITA, KANSAS. should prefer the varieties that have FROM THE lemed on Thursday of each work, from office in Ragio Blook. great native endurance, we may large-The Pioneer Lumber Man! ly increase our list by the place and RICHEY HOUSE, SUBSCRIPTION TWO DOLLARS IN ADVANCE. THREE LEADING FIRMS! (Correspondents Corbin Banking Company, New York City.) OUEENSWARE. manner in which we grow them, both OF SEDGWICK COUNTY .-How to Succeed in Fruit-Growing. in nursery and orchard, vineyard and Different Towns and Post Offices in Mr. J. C. Plumb, of Milton, Wiscon-garden. Money to Loan on FIVE Years time as per Certificate below. GEO. G. MATTHEWS & CO., Sedgwick, Sumner, Cowley sin, who, by the way, is a very intelli-Protection should be first: Selfproand Butler Counties. ESTABLISHED IN 1870. gent and successful horticulturist, fur- tection by constitutional make up and nished an essay to the Horticultural vital force; and second, from great ex-SEDGWICK COUNTY. | BETLER COUNTY, CERTIFICATE: JEWELERS & DRUGGISTS. Society of that State, which appears tremes and sudden transitions of tem-The bearer of this certificate, without regard to his nationality, religion or politics, who desires in its last published transactions. After discussing the primary conditions rieties to begin with and grow these A Complete Stock of Pine Lumber! to borrow money and possesses an enduring faith in the virginal soil of southwestern Kansas, to Sell at Kansas City Prices grow more wheat, corn and "tatoes" to the acre than any other land on the face of the globe; or presentation of the same, is entitled to a private audience of one hour, more or less, in our sanc-tom sanctorum, in which to discuss a loan on his land in Sedgwick or Sumner County, Kansas— ALLEN & TUCKER, of climate, etc., affecting the growing in localities and in a manner that will of fruit in the Northwest, and especially in his own State, showing the causes of the larger part of the fail-SHINGLES. on five years time, at a very low rate of annual interest, with the privilege of paying off loan at any time. Commission reasonable. No charges for abstracts or execution of pa LOOK UP YOUR TITLE PAPERS. HARRIS & LATH, HARRIS & HARRIS. DOORS. ures that have occurred, he proceeds that I cannot separate them with any Jamesburg, n of w. 10 Established 1874. 1877. to lay down some rules which experi-Staple and Fancy Groceries ! WATCHES, SASH, &c., ence has demonstrated must be ob-subject. This question of protection Mount Hope, a w... served in the cultivation of fruit in is a never ending trouble to all fruit- Park City, nw. N. B.-CLOCKS, this section of the country, from growers except those who by choice which we make the subjoined exor necessity plant upon the bleak hill--always on band-We have also some very desirable tracts of land for sale for cash or on five years time. Call JEWELRY. Office and Yard on Market Street, between Douglas Avenue and First Street. 49-11 and see us before you borrow money or buy land. tops or cool northern slopes. We find Alton, 8. COWLEY COUNTY.

Arkansas City, se.
Baltumore, se.
Cabin Valley, se.
Cedarvale, se. Nature has been lavish of her soil these locations growing varieties with Accele, s.... DIAMONDS. QUEENSWARE, HARRIS & HARRIS. resources in these great upper valleys, great success, that on the reverse or in Caldwell, s STONEWARE, 48 Dexter, se 45 Grouse Creek, se 46 Lazette, se 24 Lattle Dutch, se SHELLABARGER & OLIVER! yet we are in a higher latitude and al- sunny, sheltered locations, are a totitude, and as none of these natural tai failure. And we find the warmer Heseville, s. ... Near U. S. Land Office, Wichita. CUTLERY. conditions will be changed but by the these locations and soil, the more hopechange of ages of time and civilization less the case. This is not accident, but Milan, we must adapt our practice to these in conformity to law, as plain as any Solling Green, s. SMITH & KEATING. Wholesale and Retail Dealers in conditions which we may not at once modify. How to modify these conditions of climate and soil, or adapt our thing in the realm of nature. Vital force and the power of resistance in soil or adapt our thing in the realm of nature. Vital force and the power of resistance in soil or adapt our thing in the realm of nature. Vital force and the power of resistance in soil or adapt our thing in the realm of nature. tions of climate and soil, or adapt our practice to them, has been the earnest healthy exercise. So hardihood and sindy of the true horticularity for Foreign and Domestic Fruit Silver Plated Ware and Spectacle -DEALERS IN-LUMBER study of the true horticulturist for health in a tree are enhanced by a free many years past, and we now feel ascirculation of air. The wind is the Good stables with the House. Free corral for Salt, Grain, Produce, &c. &c. GARDEN CITY PLOWS. PAINTS. DOORS AND SASH! OILS. New York Block, Douglas Avenue, CULTIVATORS. GLASS. Where to plant-Plant on the high-The physical world is made up of PUTTY WICHITA, KANSAS. est land accessible, and otherwise suit- opposing elements, yet these form the C. M. GARRISON able, because you will have less ex- grand harmony of nature, and we are SULKY PLOWS. To Office and yard South side Dougtremes of heat and cold; more perfect to solve the problem of adaptation. -Manufacturer and Dealer in-H. H. RICHARDS. maturity of wood growth; exemption | Do we need windbreaks? Yes, O. ROGERS las avenue, near Depot. from unseasonable frosts, which injure whole forests of them for general Harness and Saddlery, Lubricating Oil, Pure Wines. Whiskey, Era fruit and foliage; and also exemption amelioration of our climate; for the largely from the different forms of retention of the rainfall; and as breaks MILLIS & STEM, Buckeye Plow Sulkies, blight, which result from defective to the sweeping currents of dry air Prescriptions Carefully Prepared in HIDES &C. circulation in the tree. Plant on the which come to us from the vast sultry the Day Time. summit or cool side of the hill because plains of the southwest, and the cold Do not send off to buy your Jewelry, Clocks or Watches, we will sell to you as low as can get buy the same Goods any where, DOUGLAS AVE., WICHITA, KAN. there you have less changes of tem- boreas of the northwest. We need perature in winter and spring, at which our dwellings and outbuildings sheltime wood growth is most susceptible tered from the summer heats and winof injury from the cold. A northerly ter blasts, and no class of trees are so Browns' Improved Corn Planters. Established in 1870. aspect is preferable to any other, and effective and economical for this pur-St. Louis Hardware Store. Defice competition in 1875. wind-breaks, if any, should be on the pose as our hardy evergreens. I would RICHARDS Wholesale and Retail Dealers in southwest side of the orchard or tree. have an American arbor vitee set on The Best Soil-Plant fruit trees on the south side of every apple or pear & ROGERS "Large Stock, Quick Sales, Small Profits," Is My Motto. medium soil, because soils very rich in tree, and six feet distant, in all situa-Avery's Spiral Knife Stalk Cutters, decaying vegetable matter cause trees tions not most favorable for the health BUILDING MATERIAL to grow too fast, and too late in au- of the trees. Good goods, and prices low; tumn for hardiness, long life and fruit | Culture-But one general principle Cash in hand, or no go! fulness. If you must use a very cich can preveil with thoughtful, progres-J. N. FORRY, soil, plant only the hardiest varieties sive fruit growers. The tree must be Bain's Celebrated Farm and Spring Wagons, Schuttler's Celebrated Wagons that you know will succeed there. If placed where it can have regular and WICHITA, KANSAS. Buckeye Grain Drills, Reapers, Mowers, Harvesters. you would lescape summer blight or abundant nourishment, either from fire blight you must grow slow. Soils the native soil or that artificially sup- BLACKSMITH HOUCK BROS. UNDERTAKER! may be rich in humes and poor in lime plied by the cultivator; and the same er potash or silica, which elements en- careful management will not allow ter largely into wood growth. If these any other crop to grow, to the detri-Dealers in Wagon and Carriage Maker. J. T. MCMILLEN, WOOD'S HARVESTERS AND SELF-BINDERS. be lacking they must be supplied. One ment of the tree and its fruit. In the remedy for an over rich soil, is to seed | best average soil for fruit trees, as in-HARDWARE, STOVES, Keeps constantly on hand Varnish, and Carriag Trimmings, and a full line of Buggy and Wagon Material, down the orchard with clover, or oth- dicated under that head, for the young Has on hand a large stock of er grass, which should be kept closely orchard, good culture of the whole GROCERS! AGRICULTTRAL cropped with the scythe or lawn mow- surface, in early summer with some GENUINE SWEEPSTAKE THRESHERS, WITH SIDE SHAKE, AND OTHER FIRST CASKETS! er. But this seeding should be done at | heed crop, and little or no culture in IMPLEMENTS. CLASS FARM MACKINERY. the time or after the orchard is plant- the after part of summer and tall, with All Kinds of Repairing Done Douglas Avenue, East of Main Street, Wichits, ed-not before. The choice of soils thorough banking of soil, and good Plain and Ornamented should be in the following order: broad winter mulch, retaining frost 1. Calcareous clay, with gravel drift in early spring, is the sum and sub-In the best Style and on the shortest notice. TRICKEY BROS. All Orders Promptly Filled, well intermixed, as a sort of concrete stance of "good culture." Where the CORNER OF DOUGLAS AND LAWRENCE AVENUES, This will insure good natural drainage trees are in full bearing and occupy SHOP ON WATER STREET. with the finest mineral element for the most of the space, the orchard may be And attendance on funerals with all its details carefully conducted. tree known in our State. seeded with clover afone, the second North of the Douglas Avenue House, Wichita, WHOLESALE 2. The same formation without the crop of which, turned every two years | Kans WICHITA KANSAS. drift gravel, or with it, or lime rock as will keep the ground in fair condition. OFFICE AND ROOMS a subsoil. One door south of Milles & Stem's Shop on Main Street, Wichita, Kansas. 13-tf J. T. McMILLEN. provided it has a light dressing of BREWERY. SPECIALTIES. & RETAIL 3. The sandy loams, with firm sub- manure the alternate year when not plowed. Buckwheat in the orchard CENTENNIAL STOVES, J. E. CALDWELL. 4. The prairie leams, if they have a has proved an excellent cultivator, es-NEW DRUG STORE! pecially if left to decay on the ground. JOHN DEER GANG & SULKY PLOWS. firm subsoil. A. WEIGAND & CO. -Dealers in-5. The pure clay, provided it be high If so done, one plowing in May will GARDEN CITY PLOWS and dry, and well underdrained. suffice for the next season, and thor-6. The mucky soils, if they be thoroughly drained, or the scrub sandy the first of June will complete the GROCERIES CHAS. W. HILL, loams, if they be fed with an abun- work, as the self-seeding will clothe Bottled Beer and Ale for family use. WHOLESALES dance of clay muck or marl from the the ground very soon after. This bottom. treatment is especially recommended DRUGGIST AND PHARMACEUTIST What to Plant-Select a few varie- for old orchards, the culture of the ties of the most -promising, for home space between the drip of the tree ADNANCE AND GARDEN CITY PROVISIONS, use or market, for the greater part of tops is of far more importance than BEER DEPOT, DOUGLAS AVE. FRUIST, New York Block, Douglas Avenue. COAL OIL AND STONEWARE, your planting; say for family use, five that of the soil immediately about the ALKING AND RIDING FLOUR & early, five fall and forty winter varie- tree; in fact the latter is nothing in ies; total, fifty trees for an average comparison with the formes in secur-Between Main and Water Streets, FEED. farm orchard for home use. I would ing growth. CULTIVATORS. thave two of five, and ten of the forty My idea of the coming orchard cul-WICHITA, KANSAS. sweet. Good sweet apples will never ture of the northwest is as follows: WICHITA KANSAS. go begging a market at less than a pay- Have the surface of the ground made WICHITA, KAN. ing price with those who know their smooth and level, or with gentle unduvalue in the family and for stock. I latious only, then with scythe, hand or GREAT believe the time is coming in Wiscon- pony mower, shave smoothly the grass WICHITA WATER MILLS! Corner Main Street and Douglas Avenue. 41 sin when they will be found more prof- or weeds from the entire surface, ev-The Largest and Best Stock of aitble to grow for fattening purposes ery two weeks or less. The crop thus in connection with cooked feed than shorn should be used as mulch, either ALREET HESS. Original Haines' Header, Eldward Harvest for two or three Binders, Buckeye and Hoosier Grain Drills and the any other vegetable that can be pro- where it falls or nearer the trees. The Pure Drugs nd Medicines G. ROUSE & CO., roots of vegetation thus cropped will For commercial purposes, the plant- not run deep nor draw largely from er of one hundred or a thousand trees the soil. This treatment may require IN THE SOUTHWEST. CELEBRATED STUDEBAKER WAGONS! should ordinarily have but few varie- on lean soils an annual top dressing A SETT OF 46 PIECES OF WHITE GRANITE WARE FOR FIVE DOLLARS. A DINNER SETT OF 70 PIECES do do de de ELEVEN DOLLARS ties, and those very early or else long of fine manure, ashes, lime or compost HESS & GETTO, Toilet Articles, Perfumery, Patent Medicines, Et to keep up the supply of nutriment, keeping. What is Hardiness?-The question especially in old orchards. Trees in here comes in, "Why is one variety excessively rich soils must have some Do a General Milling Business. Agent for the hardy and other tender, other things starving process applied to prevent equal?" This question involves the excessive and late growth. In such AVERIL CHEMICAL PAINT science of vegetable philosophy, which soils permanent grass will be better All prices adjusted on a gold basis. Nothing can get below that. is not within the province of this pa-FALL per to set forth fully, but may be brief. the crop should be practiced in all cir-STAPLE AND FANCY GROCERIES 98 DOUGLAS AVENUE. cumstances. I think seeding with rve ly answered in the outline thus: Woody structure is made up of veg. in August, to be pastured lightly the HIGHEST MARKET PRICE PAID etable fibre, which holds the sap in its next summer, would be good treat-J. H. ALEY, various stages of development towards | ment for such soils. Also keep on hand the best and purest Wine ad Liquors for medicinal purposes. je21-tf organized matter. This vegetable fibre | Pasturing the orchard, in the ordi-FOR WHEAT CORN, ETC. Douglag Avenue, Wichita, Kansas.: contracts with cold, while the sap ex- nary sense, is not good practice, as it 7 Patterns of Glass setts, \$1 to \$1.75 each.
11 do do Geblets, \$1.80 to \$2.50 per doz Cutlery.
Glass Bewls, open and covered, high or lew.
Bar Glasses, Ale, Beer and Lemonade Glasses.

Knives and Forks, Pocket Knives, Lamps and Chimnies. pands with any degree of cold suffi- compacts the soil around the trees in BISSANTZ & BUTLER. cient to congeal it. This contraction | the dryest weather of summer and auand expansion is a severe strain upon tumu, preventing absorption and re-JOHN EXTON. the cellular structure of the tree, a tention of water and leaving the Wheat taken on Deposit in Exchange f rupture of its cells producing some ground in the most favorable condi-Dealer in form of disease. Now the capacity of tion for root killing the following BOOTS & SHOES, a tree or plant for enduring repeated winter. Plenty of moisture in the soil extremes of temperature, or in com- when winter sets in is a guaranty of IN LIME mon terms, hardiness, is measured by safety to the roots, if retained by a STOVES, TINWARE ETC. HATS & CAPS. its toughness or strength of fibre, and slight mulch. the size of its sap vessels. Thus a sec- I have given these questions of spetion of R. I. Greening shows a much cial location, soil and culture the Head of First Street. larger proportion of porous wood than greater limit in this paper, because BUILDING STONE that of the native crab, and equal they lie at the foundation of success-CHANDELIERS, BRACKETS, REFLECTORS AND GLORES. sized sections of each variety, dry. ful fruit growing in the northwest, Special Attention paid to Repairing and all will show a difference of twenty per and beside which, the variations of a ON CHISHOLM CREEK, PLASTER PARIS. cent, in weight in favor of the crab degree or two of latitude in the limits wood. The same will hold good with of our State become a secondary ques-Leather and Findings! all wood growth, of a given species tion. In all the settled portions of WICHITA, KANSAS. CEMENT AND HAIR kinds of Job Work. and climate. There will be a corres our State, south of latitude forty-five ponding difference in their capacity to are marked instances of success as resist the changes of temperature as well as of failure, in which the lati-H. BOLTE, PRICES indicated by this test, allowing some- tude seems to be a secondary matter; thing for the operation of the vital for it is a noted fact that our finest Manufacturer of and dealer in all kinds of

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No extra charge for Greek, Latin, French or

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Itake pleieure in informing the people of this and surrounding counties, that the fruit trees, etc., of the above Nursery is now in splendid condition. We enumerate.

I,000,000 OSAGE ORANGE PLANTS, 19,000 GRAPES OF ALL VARIETIES, 25,000 APPLE TREES—STADARD, 19,000 PEACHTREES—BEST FRUIT.

Small Fruits too numerous mention. Will dill orders this fall for those wno prefer full p anting.

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It contains one pound of water to nine pounds fard. The water evaporates by heat, causing a

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force in all cases.

This brief statement, so meagre in a not from the extreme southern por-

technical way, only hints at a probable tion of the State, but from localities

test of hardiness which may be ap- of special merit toward the central re-

plied at once to any new variety, of gion; and strange as it may seem, it three years' growth from seed, with-

out waiting a lifetime to determine limestone bluffs and hills that show

the constitutional hardiness of the va- the fine texture and beautiful colors

riety. Starting from these funda- that make our apple shows so notable.

mental principles, we find trees grown Even the granite hills of the north are

dry, in soils of medium fertility, to ing, when the planter is bold enough

endure all the extremes of our climate to plant on the exposed summits or

which if grown in reversed conditions | cool northern slopes, where the tree

would not survive the cold of winter will mature its wood. The brightest

or the heat of summer. So then this color, the finest texture, and the rich-

question of hardiness or endurance is est juices are produced in these lo-

based on two great facts-constitu- calities.

in locations comparatively high and showing an adaptation for fruit growsporoved style.